

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	"2250452"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:20
L2	218798	pierce piercing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:20
L3	34445	"131"/\$8.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:21
L4	317	L3 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:21
L5	1257443	rib ribbed spiral corkscrew helix helical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:29
L6	74	L5 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:30
L7	12	("2333049").URPN.	USPAT	OR	ON	2007/03/15 10:36
S1	1	10/813316	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 09:52
S2	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 09:53
S3	2958224	rod column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:44

## EAST Search History

S4	1074152	syringe barb needle injector probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:45
S5	12994803	inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:46
S6	8108	S2 near5 S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:01
S8	72	S6 Near50 S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:03
S9	57	("0236510"   "0973768"   "1961866"   "1972718"   "2067338"   "2217527"   "2617426"   "3012915"   "3402722"   "3410279"   "3611635"   "3834398"   "3872871"   "3931824"   "4099913"   "4147172"   "4186754"   "4233993"   "4341228"   "4409995"   "4451282"   "4457319"   "4457774"   "4457870"   "4457930"   "Re31625").PN. OR ("4619276").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 10:22
S10	4676467	rod column cylinder filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:44
S11	11647	S10 Near10 S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:44
S12	1206700	syringe barb needle injector probe mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:46
S13	13570562	inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot distribut\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:51

## EAST Search History

S14	1206700	syringe barb needle injector probe mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:51
S15	429762	S13 NEAR25 S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:52
S16	4579363	rotat\$3 spin spun	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:54
S17	17219	S15 Near10 S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S18	631328	Drum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S19	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S20	4676467	rod column cylinder filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S21	11647	S20 Near10 S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S22	3	S21 Near200 S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:58
S23	944038	ribs ribbed spiral corkscrew	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:29

## EAST Search History

S24	144032	mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:03
S25	1304828	hollow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:59
S26	371	(S23 near25 S24) near25 S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:00
S27	0	S26 near100 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:59
S28	0	S26 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:59
S29	6709	(S23 near25 S24)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:00
S30	1	S29 near200 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:00
S31	10	("3096772").URPN.	USPAT	OR	ON	2007/03/13 11:03
S32	13570562	inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot distribut\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S33	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04

## EAST Search History

S34	4676467	rod column cylinder filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S35	11647	S34 Near10 S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S36	144032	mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:24
S37	9	(S36 near25 S32) near500 S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:13
S38	39158	(S36 near25 S32)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:13
S39	209	(S36 near25 S32) near50 (flavor\$5 foam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:13
S40	6	S39 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:15
S41	8	("3260265"   "4580579"   "4593704"   "4605013"   "4616662"   "4632130"). PN. OR ("4729387").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 11:18
S42	5	("3260265").URPN.	USPAT	OR	ON	2007/03/13 11:22
S43	4	(mandrel near30 (flavorant flavoring foam)) and (tobacco cigarette)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:25
S44	14	("3260265"   "4185644"   "4249544"   "4391285"   "4580579"   "4593704"   "4605013"   "4616662"   "4632130"). PN. OR ("4632130"   "4729387"   "4736754").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 11:36

## EAST Search History

S45	17	(("3545453") or ("2250452") or ("3837378")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/13 11:36
S46	3	("3545453").URPN.	USPAT	OR	ON	2007/03/13 12:17
S47	3	("2250452").URPN.	USPAT	OR	ON	2007/03/13 12:23
S48	42	"2250452" "3545453" "3732872" "3837378" "3847162" "4966170"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 12:26
S49	15	("2333049"   "3302834"   "3319632"   "3636959"   "3677269"   "3732872"   "3847162"   "3853039"   "4150677"). PN. OR ("4233995").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:42
S50	12	("2333049").URPN.	USPAT	OR	ON	2007/03/13 13:57
S52	17	"2349551"	USPAT	OR	ON	2007/03/13 13:58
S53	13	("1028766"   "1824414"   "1984981"   "2468255"   "3039590"   "3104754"). PN. OR ("3554362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 15:22
S54	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:22
S55	2958224	rod column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:22
S56	8108	S54 near5 S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:22
S57	505	drum near200 S56	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 15:24
S58	1074152	syringe barb needle injector probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S59	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24

## EAST Search History

S60	2958224	rod column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S61	8108	S59 near5 S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S62	505	drum near200 S61	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 15:24
S63	6	S62 Near25 S58	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 11:28
S64	18	"3096772"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:09
S65	5	rimming and "131"/\$8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:10
S66	3	"End outage" and "131"/\$8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:14
S67	1074152	syringe barb needle injector probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/14 12:15
S68	7067	(spiral helical helix) near20 S67	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:16
S69	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/14 12:16
S70	1	S68 near500 S69	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:20
S71	32420	"131"/\$8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06
S72	544	puffing and S71	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06

## EAST Search History

S73	174	puffing.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06
S74	22	S73 and S71	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06